



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov



CONFIRMATION NO. 7635

Bib Data Sheet

SERIAL NUMBER 10/644,748	FILING OR 371(c) DATE 08/21/2003 RULE	CLASS 175	GROUP ART UNIT 3672	ATTORNEY DOCKET NO. A894629US
-----------------------------	--	--------------	------------------------	-------------------------------------

## APPLICANTS

James I. Livingstone, Calgary, CANADA;

## \*\* CONTINUING DATA \*\*\*\*\*

This appln claims benefit of 60/404,787 08/21/2002 *Yes*

## \*\* FOREIGN APPLICATIONS \*\*\*\*\*

*No*

## IF REQUIRED, FOREIGN FILING LICENSE GRANTED \*\* SMALL ENTITY \*\*

\*\* 01/21/2004

Foreign Priority claimed	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no		
35 USC 119 (a-d) conditions met	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met after Allowance		
Verified and Acknowledged <i>[Signature]</i>	<i>[Initials]</i>		
STATE OR COUNTRY CANADA	SHEETS DRAWING 12	TOTAL CLAIMS 43	INDEPENDENT CLAIMS 3

## ADDRESS

AIR MAIL

23971

## TITLE

Reverse circulation directional and horizontal drilling using concentric drill string

FILING FEE RECEIVED 1939	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
--------------------------------	---	---